

**WHAT IS CLAIMED IS:**

1. In a roll-like printing paper wound around a paper spool, said roll-like printing paper characterized in that said paper spool has formed thereon a detection portion to detect a rotation.

2. A roll-like printing paper as claimed in claim 1, wherein said detection portion is a notch formed on at least one end of said paper spool.

3. A roll-like printing paper as claimed in claim 1, wherein said detection portion is a mark formed on at least one opening end face of the inner surface of said paper spool.

4. In a roll-like printing paper wound around a paper spool, said roll-like printing paper characterized in that said paper spool comprises a detection portion for detecting a rotation and printing paper roll pressers for rotatably supporting said paper spool.

5. A roll-like printing paper as claimed in claim 4, wherein said detection portion is a notch formed on at least one end of said paper spool.

**6.** A roll-like printing paper as claimed in claim 4, wherein said detection portion is a mark formed on at least one opening end face of the inner surface of said paper spool.

**7.** In a roll-like printing paper wound around a paper spool, said roll-like printing paper characterized in that said paper spool comprises a detection portion for detecting a rotation, printing paper roll pressers for rotatably supporting said paper spool and rotation detection means for detecting a rotation of said paper spool by said detection portion.

**8.** A roll-like printing paper as claimed in claim 7, wherein said detection portion is a notch formed on at least one end of said paper spool.

**9.** A roll-like printing paper as claimed in claim 7, wherein said detection portion is a mark formed on at least one opening end face of the inner surface of said paper spool.

**10.** A video printer comprising:

a detection portion disposed in a paper spool around which a printing paper is wound and detecting a rotation of said paper spool;

rotation detection means for detecting a rotation of said paper spool by said detection portion; and

control means for determining based on said paper spool rotation detected by said rotation detection means whether or not a remaining quantity of said roll-like printing paper wound around said paper spool approaches to its end and controls display means such that said display means displays a first alarm if it is determined that the quantity of said roll-like printing paper approaches to its end.

**11.** A video printer as claimed in claim 10, wherein said detection portion is disposed on one side of said paper spool and said control means controls said display means such that said display means displays a second alarm if a rotation of said paper spool is not detected by said rotation detection means.

**12.** A video printer comprising:

a roll-like printing paper including a detection portion for detecting a rotation of a paper spool provided on said paper spool to which a printing paper is wound in a roll-like fashion and printing paper roll pressers for rotatably supporting said paper spool;

rotation detection means for detecting a rotation of said paper spool by said detection portion; and

control means for determining based on said paper spool rotation detected by said rotation detection means whether or not a remaining quantity of said roll-like printing paper approaches to its end

and displaying a first alarm on display means if it is determined that the remaining quantity of said roll-like printing paper approaches to its end.

**13.** A video printer as claimed in claim 12, wherein said detection portion is formed on one side of said paper spool and said control means displays a second alarm on said display means if said rotation detection means does not detect the rotation of said paper spool.

**14.** A video printer comprising:

a roll-like printing paper including a detection portion for detecting a rotation of a paper spool provided on said paper spool to which a printing paper is wound in a roll-like fashion, printing paper roll pressers for rotatably supporting said paper spool and rotation detection means for detecting a rotation of said paper spool by said detection portion; and

control means for determining based on said paper spool rotation detected by said rotation detection means whether or not a remaining quantity of said roll-like printing paper wound around said paper spool approaches to its end and displaying an alarm on display means if it is determined that the remaining quantity of said roll-like printing paper approaches to its end.

**15.** A method of detecting a remaining quantity of a printing

paper comprising the steps of:

detecting a rotation of a paper spool around which a printing paper is wound;

determining based on said detected paper spool rotation whether or not a remaining quantity of said roll-like printing paper wound around said paper spool approaches to its end; and

displaying a first alarm by display means if it is determined that the remaining quantity of said roll-like printing paper approaches to its end.

**16.** A method of detecting a remaining quantity of a printing paper as claimed in claim 15, wherein the rotation of said paper spool around which said printing paper is wound in a roll-like fashion is detected and a second alarm is displayed by display means if said paper spool rotation is not detected.